

10/514626
 Rec'd CT/PTO 17 NOV 2004
 PCT/DK03/00326

WO 03/097674

1/6

	277	293
SL3-2	(199) ASKA[WGLRLYRSTRTDP	
MCF-247	(199) GPKV[WGLRLYRSTGIDP	
MCF CI-3	(199) GPKV[WGLRLYRSTGTD	
Ampho-MCF	(199) GPKV[WGLRLYQSTGIDP	
ERV-1	(199) GPKV[WGLRLYRSTGTD	
Endogenous from 129 GIX+ mice	(199) GPKV[WGLRLYRSTGTD	
Friend MCF #2	(199) GPKV[WGLRLYRSTGTD	
Friend MCF	(199) GPKV[WGLRLYRSTGIDP	
Friend SFV	(199) GPKV[WGLRLYRSTGTD	
Invitro MCF	(199) GPKV[WGLRLYRSTGTD	
MCF 1223	(199) GPKV[WGLRLYRPTGTD	
MLV DBA/2	(199) GPKV[WGLRLYRSTGTD	
MCF (Broscius)	(199) GPKV[WGLRLYQSTGIDP	
Mo-MCF	(199) GPKV[WGLRLYRSTGIDP	
Ns-6(186) MCF	(199) GPKV[WGLRLYRSTGIDP	
Rauscher sfv	(199) GPKV[WGLRLYRSTGTD	
R-XC-	(199) GPKV[WGLRLYRSTGTD	
MCF (Ter-Grigorov)	(199) GPKV[WGLRLYRSTGTD	
AKV	(252) TGHW[WGLRLYVS-GEDP	
Friend	(237) IGHY[WGLRLYVS-GODP	
Moloney	(234) TGHY[WGLRLYVS-GODP	
SL3-3	(252) TGHW[WGLRLYVS-GEDP	
Friend fass	(237) TGHY[WGLRLYVS-GRDP	
10A1	(209) GPKS[WGLRLYRT-GTDP	
4070A	(209) GPKS[WGLRLYRT-GTDP	
Xeno CWM-S-5X	(202) APKV[WGLRLYRSTGADP	
DG-75 Xeno	(202) APKV[WGLRLYRSTGADP	
Xeno NZB-9-1	(202) APKV[WGLRLYRSTGADP	
Xeno Bxv-1-related	(202) APKV[WGLRLYRSTGADP	
Xeno R-MCF-1	(202) GPKV[WGLRLYRSTGTD	
Consensus	(277) GPKV[WGLRLYRSTGTD	

Fig. 1

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10/514626

PCT/DK03/00326

WO 03/097674

2/6

Section 1

SL3-2 (1) 10 20 30 40 50 65
MCF-247 (1) MEGPAFSKPLKDKinPWGPlIVLGILMRARVSVQIIDS PHQVFNVTwRVTNLMTGQTANATSLLG
(1) MEGPAFSKPLKDKinPWGPlIVLGILTRAGVSVRHDS PHQVFNVTwRVTNLMTGQTANATSLIGT

Leader

Section 2

SL3-2 (66) 66 80 90 100 110 120 130
MCF-247 (66) MTDAFPKLYFDLCDLIGDDWDETGLGCRTPGGRKRARI FDFYVC PGHTVLAGCGGPREGYCGKWG
(66) MTDAFPKLYFDLCDLIGDUWDETGLGCRTPCORKRARTFDFYVC PGHTVPTCGGPREGYCGKWG

VRA

Section 3

SL3-2 (131) 131 140 150 160 170 180 195
CETTGQAYWKPSSSWDLISLKRGNTPKGQGCPYDSSVSSAQA GATPGGRCNPLVLEFTDAGKRA
MCF-247 (131) CETTGQAYWKPSSSWDLISLKRGNTPQNQGCPYDSSAVSSDIK GATPGGRCNPLVLEFTDAGKRA

VRB

Section 4

SL3-2 (196) 196 210 220 230 240 250 260
SWDASKAWGLRLYRSTRTDPVTRFSLTRQVLNIGPRVPICGP NPVIIDQLPPSRPVQIMLPRFPQP
MCF-247 (196) SWDGPVKWGLRLYRSTGIDPVTRFSLTRQVLNIGPRVPICGP NPVIIDQLPPSRPVQIMLPRFPQP

VR3

Section 5

SL3-2 (261) 261 270 280 290 300 310 325
PPP GAAS T V PET APPS QQPGT GDRLL NLVNGAY QALNLTSPDKT QECWL CLVAG PYY EGV A VL G
MCF-247 (261) PPP GAAS T V PET APPS QQPGT GDRLL NLVKGAY QALNLTSPDKT QECWL CLVAG PYY EGV A VL G

Section 6

SL3-2 (326) 326 340 350 360 370 380 390
TYSNHTSAPANCVASQHKLTLSEVTGQGLCIGAVPKTHQALCNTTQKTSNGSY YLAAPAGTIWA
MCF-247 (326) TYSNHTSAPANCVASQHKLTLSEVTGQGLCIGAVPKTHQALCNTTQKTS DGSY YLAAPT GTTWA

Section 7

SL3-2 (391) 391 400 410 420 430 440 455
CNTGLTPCISTTILDLT TDYCVL VELWPKV TYHSPGYVYQFEEKTKYKREPVS LTL ALL LGGLT
MCF-247 (391) CSTGLTPCISTTILDLT TDYCVL VELWPKV TYHSPSYVYHQFERKAKYKREPVS LTL ALL LGGLT

Section 8

SL3-2 (456) 456 470 480 490 500 510 520
MG GI AAGVGT GT TALV ATQQF QQL QAM QDDL KEVEKSITNL RSLTS I SEV VL QNRR GL DLL FL
MCF-247 (456) MG GT AAGVGT GT TALV ATQQF QQL QAM QDDL KEVEKSITNL RSLTS I SEV VL QNRR GL DLL FL

Section 9

SL3-2 (521) 521 530 540 550 560 570 585
KEGG LCA ALKE ECC FYAD H TGL VRD SMA K L RER L SQR QKL FES QQG W F E GL FN K SPW FT TL LISTI
MCF-247 (521) KEGGLCA ALKE ECC FYAD H TGL VRD SMA K L RER L SQR QKL FES QQG W F E GL FN K SPW FT TL LISTI

Section 10

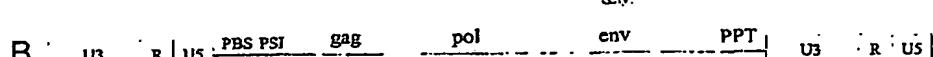
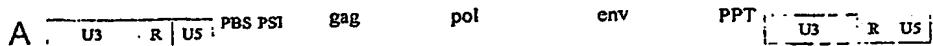
SL3-2 (586) 586 600 610 620 630 641
MG PLI ILL L L L FG PC I L K H LV QF I K DR V SV Q AL VL T Q Q Y H Q L K T I E D C E S R E --
MCF-247 (586) MG PLI ILL L L L FG PC I L K H LV QF I K DR V SV Q AL VL T Q Q Y H Q L K T D P E E V E S R E

Fig. 2

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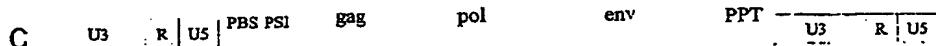
3/6

Replication competent virus

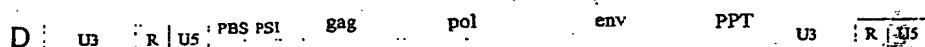


Replication competent vector

U3 type of maxivirus

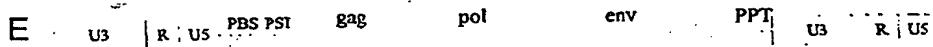


IRES EGFP

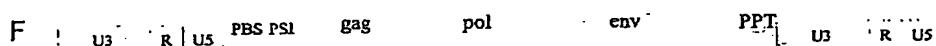


IRES EGFP

3Prime untranslated type of maxivirus

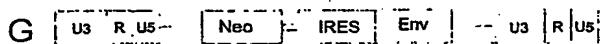


IRES EGFP

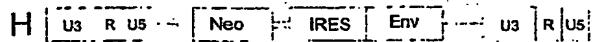


IRES EGFP

A retroviral expression vector containing envelope (Minivirus)



Scfv.



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4/6

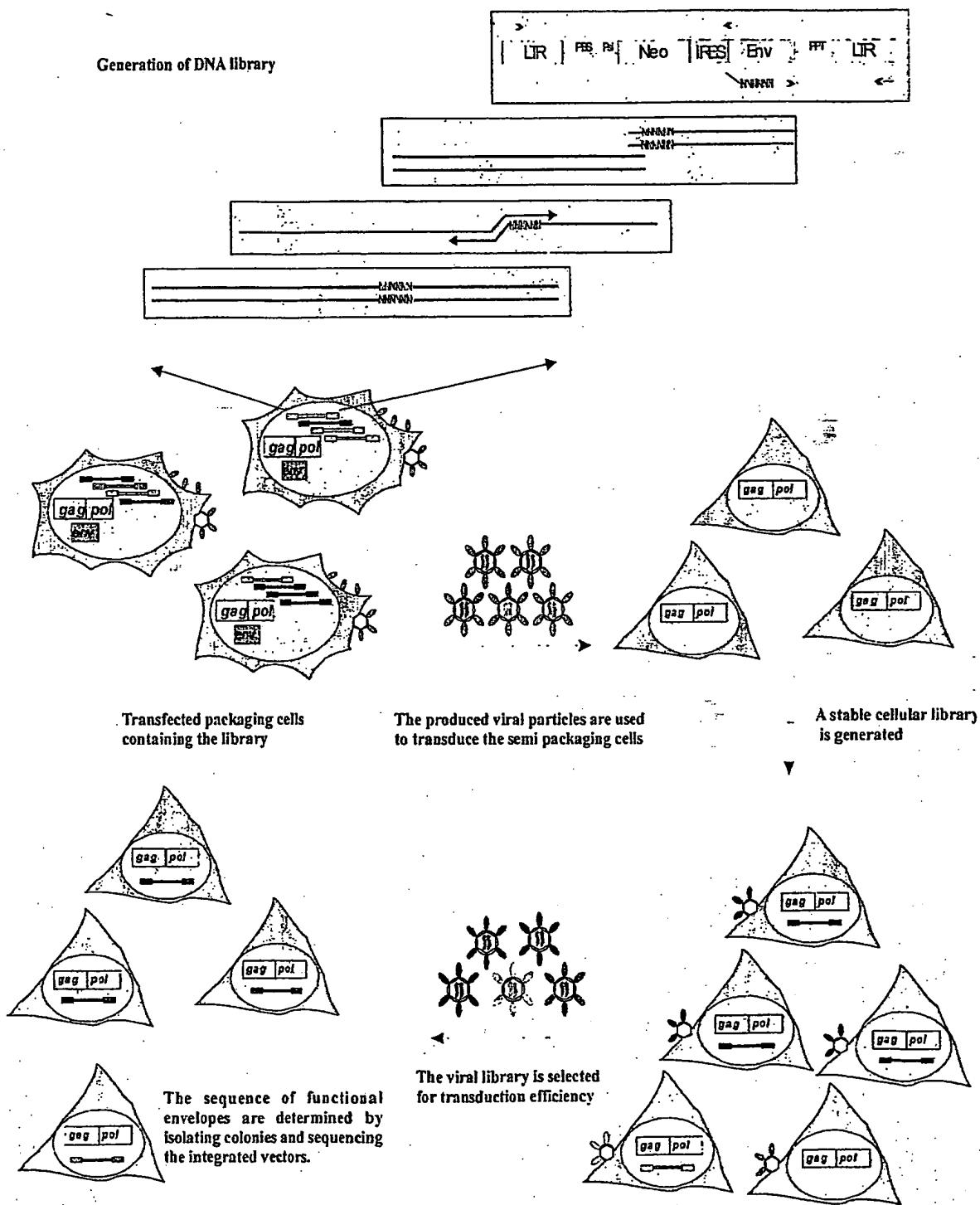


Fig. 3

5/6

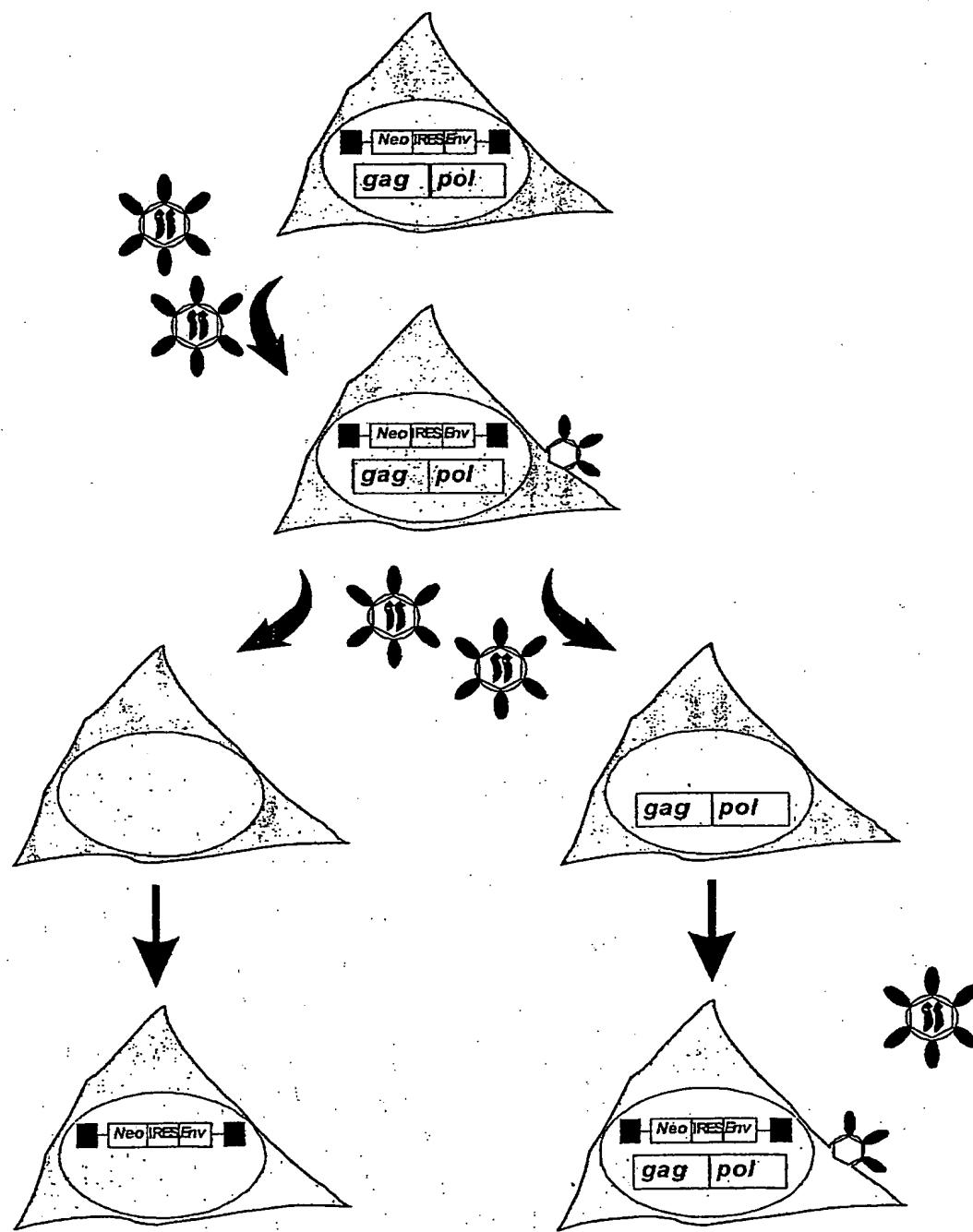
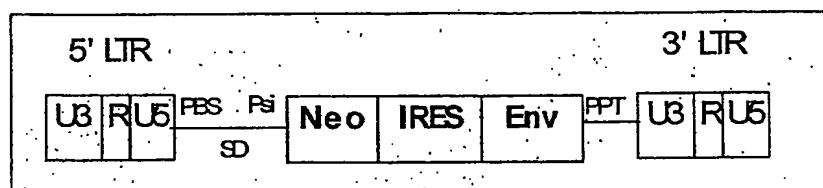


Fig. 5

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6/6

The genomic structure of minivirus

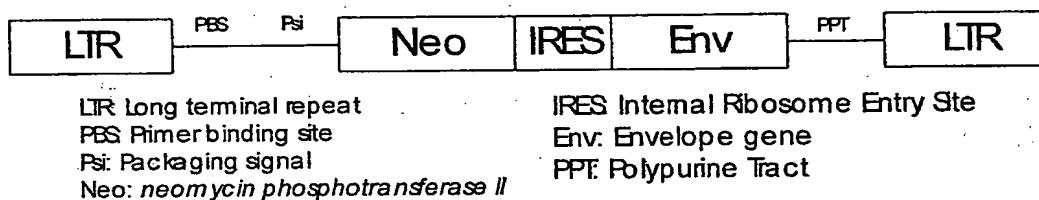


Fig. 6